

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

TELEPHONE: (310) 207-3800

 INTELLECTUAL PROPERTY LAW
 12400 WILSHIRE BOULEVARD, 7TH FLOOR
 LOS ANGELES, CA 90025

 FACSIMILE: (310) 820-5988
 (310) 820-5720

FACSIMILE COVER SHEET

 RECEIVED
 CENTRAL FAX CENTER

OCT 02 2006

Deliver to: Leonid Kravets, USPTO Art Group: 2189
 Facsimile No.: (571) 273-8300 Date: October 2, 2006
 From: Jonathan S. Miller, Reg. No. 48,534
 Our Docket No.: 42P17512 Number of pages 32 including this sheet.
 Application No.: 10/674,981 Filing Date: 9/29/2003
 Docket Due Date(s): 10/10/2006 | 11/10/2006

Enclosed are the following documents:

<input checked="" type="checkbox"/> Amendment: <u>After Final</u> (<u>16</u> pgs)	<input type="checkbox"/> Issue Fee Transmittal
<input type="checkbox"/> Appeal Brief (<u> </u> pgs)	<input type="checkbox"/> Notice of Appeal
<input type="checkbox"/> Application: <u> </u>	<input type="checkbox"/> Petition for: <u> </u>
(<u> </u> pgs) w/cover & abstract)	<input type="checkbox"/> Request for Continued Examination (RCE)
<input type="checkbox"/> Assignment & Cover Sheet (<u> </u> pgs)	<input type="checkbox"/> Reply Brief (<u> </u> pgs)
<input checked="" type="checkbox"/> Certificate of <u>Facsimile</u>	<input type="checkbox"/> Request & Certification Under 35 USC 122(b)(2)(B)(i)
<input type="checkbox"/> Continued Prosecution Application (CPA)	<input type="checkbox"/> Request to Rescind Previous Nonpublication Request
<input type="checkbox"/> Declaration & POA (<u> </u> pgs)	<input type="checkbox"/> Response to Notice of Missing Parts & Formalities Letter
<input checked="" type="checkbox"/> Drawings: <u>6</u> sheets, <u>6</u> figures	<input type="checkbox"/> Response to Written Opinion (<u> </u> pgs)
<input type="checkbox"/> Extension of Time: <u> </u>	<input type="checkbox"/> Terminal Disclaimer
<input checked="" type="checkbox"/> Fee Transmittal (in duplicate)	<input type="checkbox"/> Transmittal of Publication Fee Due
<input type="checkbox"/> IDS & PTO/SB/08 (<u> </u> pgs)	<input checked="" type="checkbox"/> Transmittal Letter
<input checked="" type="checkbox"/> Other Replacement and Annotated Sheets of Figures <u>1-6</u>	
<u>Facsimile Cover Sheet (1 pg)</u>	

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.33A)

I hereby certify that this correspondence is being transmitted by facsimile on the date shown below to the United States Patent and Trademark Office.

Nedy Calderon 10/2/2006
 Nedy Calderon Date

Confidentiality Note: The documents accompanying this facsimile transmission contain information from the law firm of Blakely, Sokoloff, Taylor & Zafman which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

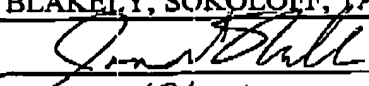
If you do not receive all the pages, or if there is any difficulty in receiving, please call: (310) 207-3800 and ask for Nedy Calderon.


**RECEIVED
CENTRAL FAX CENTER**

OCT 02 2006

TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application No.	10/674,981
		Filing Date	September 29, 2003
		First Named Inventor	Robert M. Ellis
		Art Unit	2189
		Examiner Name	Leonid Kravets
Total Number of Pages in This Submission	31	Attorney Docket Number	42P17512

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> 6 Annotated and 6 Replacement Sheets of Drawings </div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Jonathan S. Miller, Reg. No. 48,534 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	10/2/06

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being transmitted via facsimile on the date shown below to the United States Patent and Trademark Office.			
Typed or printed name	Nedy Calderon		
Signature		Date	10/2/06

Based on PTO/SB/21 (09-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wtr) 11/30/2005.
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

RECEIVED
CENTRAL FAX CENTER

310 820 5988

T-469 P.003/032 F-120

OCT 02 2006

**FEE TRANSMITTAL
for FY 2005**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

Complete if Known

Application Number	10/674,981
Filing Date	September 29, 2003
First Named Inventor	Robert M. Ellis
Examiner Name	Leonid Kravets
Art Unit	2189
Attorney Docket No.	42P17512

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☒ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) ☒ Credit any overpayments

under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

FEE CALCULATION

1. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
31	31	0	\$0.00
Independent Claims	4	0	\$0.00
Multiple Dependent			

Large Entity	Small Entity
Fee Code	Fee Code
1202 60	2202 25
1201 200	2201 100
1203 300	2203 180
1204 750	2204 385
1205 300	2205 160

Fee Description:

- 2202 25 Claims in excess of 20
- 2201 100 Independent claims in excess of 3
- 2203 180 Multiple Dependent claims, if not paid
- 2204 385 Reissue independent claims over original patent
- 2205 160 Reissue claims in excess of 20 and over original patent

SUBTOTAL (1) (\$)

*or number previously paid, if greater. For Reissues, see below

2. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description
Fee Code	Fee Code	
1001 100	2001 65	Surcharge - late filing fee or oath
1002 60	2002 25	Surcharge - late provisional filing fee or cover sheet
2003 130	2003 130	Non-English specification
1251 120	2251 60	Extension for reply within first month
1252 450	2252 225	Extension for reply within second month
1253 1,020	2253 510	Extension for reply within third month
1254 1,580	2254 795	Extension for reply within fourth month
1255 2,160	2255 1,080	Extension for reply within fifth month
1401 600	2401 250	Notice of Appeal
1402 500	2402 250	Filing a brief in support of an appeal
1403 1,000	2403 500	Request for oral hearing
1404 1,510	2404 1,510	Petition to institute a public use proceeding
1405 130	2405 130	Petitions to the Commissioner
1807 50	1807 50	Processing fee under 37 CFR 1.17(d)
1808 180	1808 180	Submission of Information Disclosure Sheet
1809 750	1809 395	Filing a submission after final rejection (37 CFR § 1.123(b))
1810 750	2810 395	For each additional invention to be examined (37 CFR § 1.129(b))

Other fee (specify) _____

SUBTOTAL (2) (\$)

Fee Paid

(\$)

SUBMITTED BY

Name (Print/Type) Jonathan S. Miller

Registration No.
(Attorney/Agent)

48,534

Telephone

(310) 207-3800

Signature

Date

10/2/06

Based on PTI/58/17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman (w/12/15/2004).

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

OCT 02 2006

FEE TRANSMITTAL for FY 2005 <small>Patent fees are subject to annual revision.</small>		Complete if Known		
		Application Number	10/674,981	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		Filing Date	September 29, 2003	
		First Named Inventor	Robert M. Ellis	
TOTAL AMOUNT OF PAYMENT (\$)		0.00	Attorney Docket No.	42P17512

METHOD OF PAYMENT (check all that apply)

- ☐ Check ☐ Credit card ☐ Money Order ☒ None ☐ Other (please identify): _____
- ☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayment of fee(s) ☒ Credit any overpayments
- under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

FEE CALCULATION**1. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
31	31	0	\$0.00
Independent Claims	4	0	\$0.00
Multiple Dependent			

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description
1202	2202	50	25	Claims in excess of 20
1201	2201	200	100	Independent claims in excess of 3
1203	2203	350	180	Multiple Dependent claim, if not paid
1204	2204	750	385	**Release independent claims over original patent
1205	2205	300	150	**Release claims in excess of 20 and over original patent

or number previously paid, if greater, For Release, see below

SUBTOTAL (1) (\$)

0.00

2. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description
1051	2051	130	65	Surcharge - late filing fee or oath
1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet
2053	2053	130	130	Non-English specification
1251	2251	120	60	Extension for reply within first month
1252	2252	450	225	Extension for reply within second month
1253	2253	1,020	510	Extension for reply within third month
1254	2254	1,590	795	Extension for reply within fourth month
1255	2255	2,160	1,080	Extension for reply within fifth month
1401	2401	500	250	Notice of Appeal
1402	2402	600	300	Filing a brief in support of an appeal
1403	2403	1,000	500	Request for oral hearing
1451	2451	1,510	755	Petition to institute a public use proceeding
1450	2450	130	130	Petitions to the Commissioner
1807	1807	50	50	Processing fee under 37 CFR 1.17(q)
1808	1808	180	180	Submission of Information Disclosure Sum
1809	1809	750	385	Filing a submission after final rejection (37 CFR § 1.128(a))
1810	2810	750	305	For each additional invention to be examined (37 CFR § 1.128(b))

Other fee (specify)

SUBTOTAL (2)

(\$)

Fee Paid

SUBMITTED BY

Name (Print/Type) Jonathan S. Miller

Registration No.
(Attorney/Agent)

48,534

Telephone

(310) 207-3800

Signature

Date

10/2/06

Based on PTO/CSB/17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman (M/R) 12/15/2004.
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**RECEIVED
CENTRAL FAX CENTER**

OCT 02 2006

**REPLY UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
TECHNOLOGY CENTER 2100**

Attorney's Docket No. 42P17512

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

Robert M. Ellis, et al

Application No. 10/674,981

Filed: September 29, 2003

For: **MEMORY BUFFER DEVICE
INTEGRATING REFRESH**

Examiner: Leonid Kravets

Art Unit: 2189

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION

Dear Sir:

In response to the Final Office Action mailed August 10, 2006, in connection with the above referenced patent application, Applicants respectfully request reconsideration in view of the following remarks and amendments.

Amendments to the Claims are reflected in the Listing of Claims which begins on page 2 of this paper.

Amendments to the Drawings begin on page 12 of this paper and include both an attached replacement sheets 1-6 and an annotated sheets 1-6 showing changes.

Remarks/Arguments begin on page 13 of this paper.

An **Appendix** including amended drawing figures is attached following page 16 of this paper.